

COLORADO DISCHARGE PERMIT SYSTEM (CDPS)
FACT SHEET FOR MODIFICATION #2
PERMIT NUMBER CO-0046507

PARKER WASTEWATER TREATMENT FACILITY
DOUGLAS COUNTY

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| I. TYPE OF PERMIT | Major Modification |
| II. FACILITY INFORMATION | |
| A. Facility Type: | Domestic - Major Municipal, Mechanical Plant |
| B. SIC Code: | 4952 Sewerage Systems |
| C. Facility Classification: | Class B per Section 100.5.2 of the <u>Water and Wastewater Facility Operator Certification Requirements</u> |
| D. Facility Location: | <u>North WRF:</u> SE 1/4 of S4 T6S, R66 W; 18100 E. Woodman Drive, Parker, CO 80134, at 39° 33' 13.3" latitude North and 104° 46' 50.0 longitude West <u>South WRF:</u> E 1/2 of S4, T6S, R66 W; 18201 E. Plaza Drive, Parker, CO 80134, at 39° 31' 37.7" latitude North and 104° 46' 42.3 longitude |
| E. Discharge Point: | 001N-NT (North WRF- Internal), following disinfection and prior to discharge to Sulfur Gulch ; 39° 33' 13.3" North, and 104° 46' 50.0 West, or Regional Reservoir , 39° 29' 58.1562" North and 104° 46' 14.3934" West 001S-NT (South WRF- Internal), following disinfection and prior to discharge to Sulfur Gulch ; 39° 31' 37.7" North and 104° 46' 42.3 West, or Regional Reservoir , 39° 29' 58.1562" North and 104° 46' 14.3934" West 002A-NT, (Combined North and South WRFs - Internal) at the mix box, following disinfection and prior to discharge to Regional Reservoir , 39° 29' 58.1562" North and 104° 46' 14.3934" West 003A, (Combined North and South WRFs) at the mix box, following disinfection and prior to discharge to Sulfur Gulch 39° 31' 2.5 " N, 104° 46' 38.4 " W " North, and 104° 46' 38.4 " West 004A, (Combined North and South WRFs) discharge to Cherry Creek via the Regional Reservoir , 39° 30' 3.3573"North, and 104° 46' 8.7082" West 001W, (WET outfall)following treatment and prior to discharge to either Sulfur Gulch or Cherry Creek via Regional Reservoir – this outfall will be used for the reporting of Whole Effluent Toxicity (WET) data collected by the District. |

F. Facility Flows: 4.0 MGD (Combined North and South WRF)

III. MODIFICATION REQUEST

1) The permittee is requesting a typographical error be corrected in the Effluent Limitations Table for Outfall 002A –NT on page 5 of the Permit for the parameter Potentially Dissolved Copper. The stream standard for this parameter is set at the Table Value Standard. As the hardness of the receiving water was calculated to be 229µg/l, the resulting Copper limitation is 18 µg/l (Water Quality Assessment, page 11). However, the Copper limit listed in the Permit is incorrectly listed as 11 µg/l.

2) The permittee is also requesting a compliance schedule to meet the limitation for Potentially Dissolved Copper. At the time of the permit's issuance, in December 2011, meeting the limitation appeared to be feasible based on an analysis of the effluent data. However, the District reported significant exceedances in March 2012 and June 2012. A draft compliance schedule, extending until December 2017, was included in the modification request. This compliance schedule focused on identifying and installing Copper treatments to the discharge.

IV. CHANGES TO PERMIT

1) The District has correctly identified a typographical error. The Division reevaluated the Potentially Dissolved Copper limitation, using the in-stream hardness of 229 µg/l, which resulted in a chronic limitation of 18 µg/l, as listed in the associated WQA analysis. The chronic value of 11 µg/l was mistakenly copied into the Fact Sheet, and thus the Permit. Therefore, the correct value (18 µg/l) for Potentially Dissolved Copper has been added to the Effluent Limitations Table for Outfall 002A-NT (page 5) and Outfall 003A (page 7) of the Permit. Note that the acute WQBEL of 29ug/l is listed correctly in the fact sheet and associated permit limit table.

2) The WQCD acknowledges that there can be situations where a facility fails to meet an effluent limit and new information is available that was not available at the time of issuance of the previous permit action, such as monitoring data or other source water information needed to determine whether the facility could comply with the limit and demonstrates that a compliance schedule would have been appropriate to include in the former permit action. Per WQCD Policy 2, in these situations, the Division can include a less stringent effluent limit and schedule of compliance. Based on the information provided by Parker in the modification request, which was not submitted to the WQCD during the permit renewal, existing sources from non-industrial sources are contributing to the exceedence of the copper WQBEL. Thus, since new information about existing copper sources was not provided (including influent data) to the Division at the time of the permit renewal for consideration in determining the appropriateness of a compliance schedule for copper, a schedule was not included in the permit, where one would have been warranted. Thus, the Division has added a compliance schedule for the District to meet the Potentially Dissolved Copper limit. The Division has included milestones in the compliance schedule for addressing source control rather than solely treatment alternatives. A compliance schedule has been added to Part I.B.6 of the permit for the duration of this permit term.